### APPARATUS AND METHOD FOR CONTROLLING CHARGED **PARTICLES** Inventors: George Miley et al. App. No. NEW Atty Docket No. 22045-28 Drawing sheet 1 of 10 20 42 VACUUM **PUMP** 48 -GAS 56 54 COOLANT SOURCE CIRCULATOR 22 60 -56b 62 56c 62 62 46 62 ·56a 65b 65a -64b 64a<sup>-</sup> R-D1-34a Α 34á 34a 64 67a -67b 24 62 62

33

30

Α.

62 62 62 2 36 **ELECTRIC** POWER SUPPLY Fig. 1

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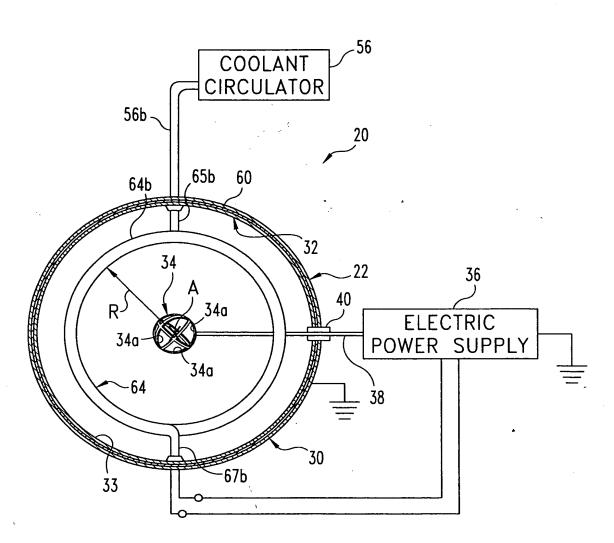


Fig. 2

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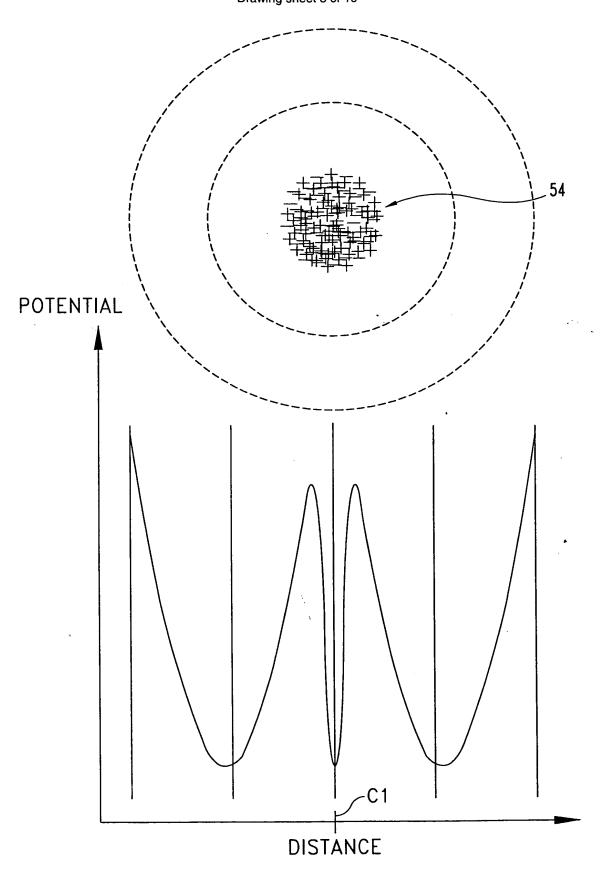


Fig. 3

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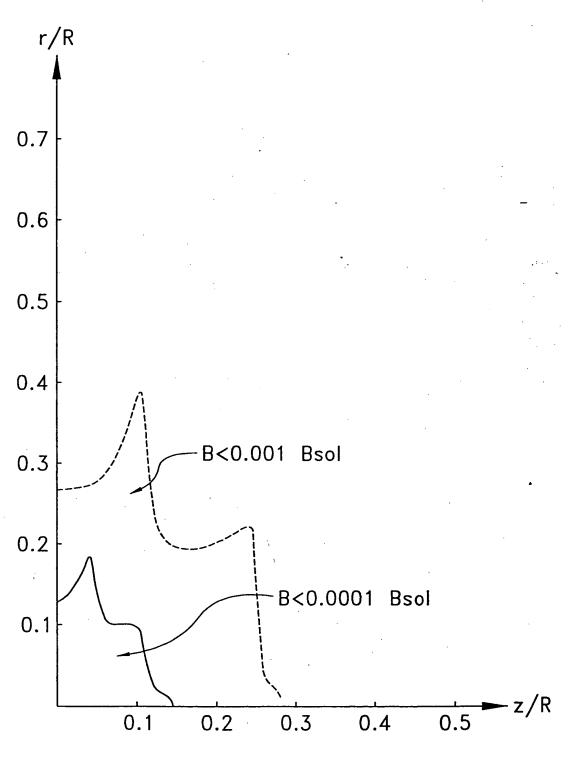
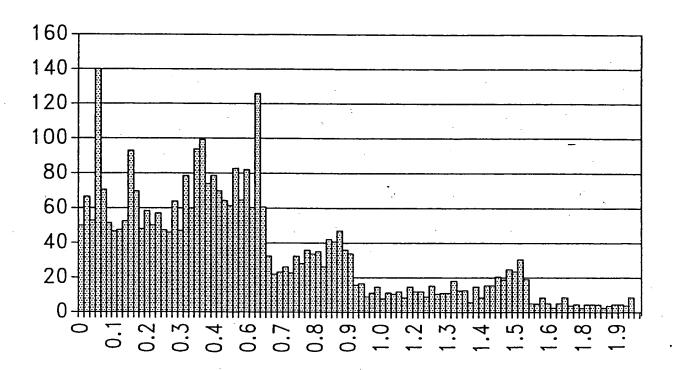


Fig. 4

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CURRENT ON PAIR COILS	2.25 MAT
CURRENT ON EXTERNAL SOLENOID	1.0733 MAT/m
CHAMBER RADIUS	2.1 m
INTERNAL COIL RADIUS	1.5 m
INTERNAL COILS POSITIONS	± 0.75 m
PARTICLE ENERGY	15 MeV

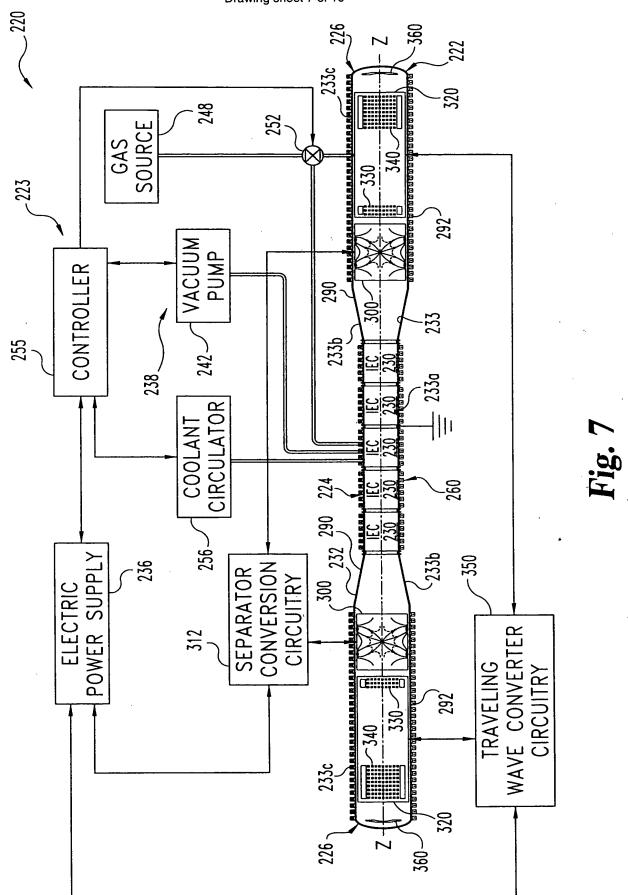
*Fig.* 5

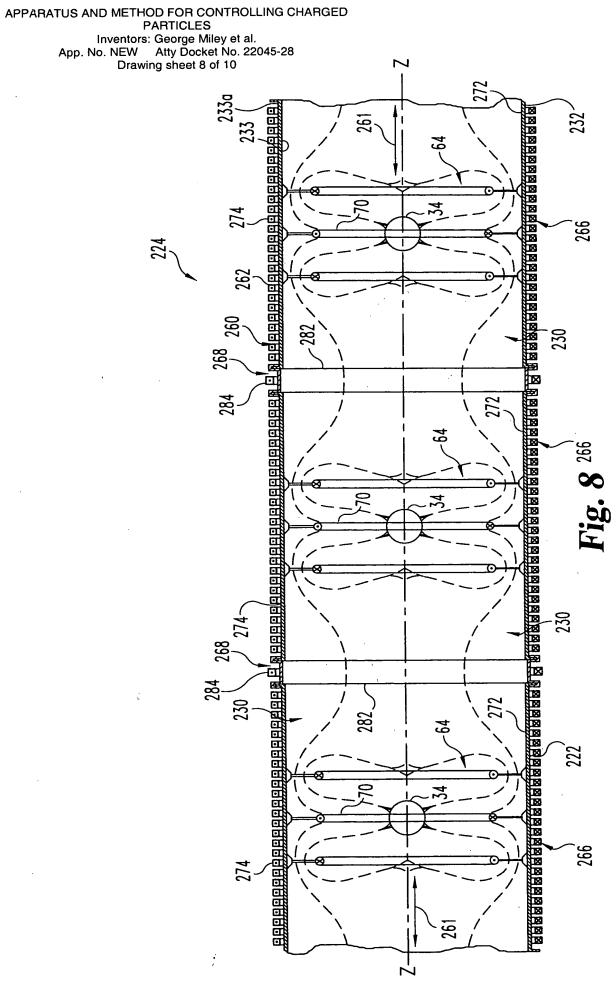
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Drawing sheet 6 of 10 167 165 135b 64 POWER SUPPLY <u>.</u> 5 160 CHARGED PARTICLE SOURCE

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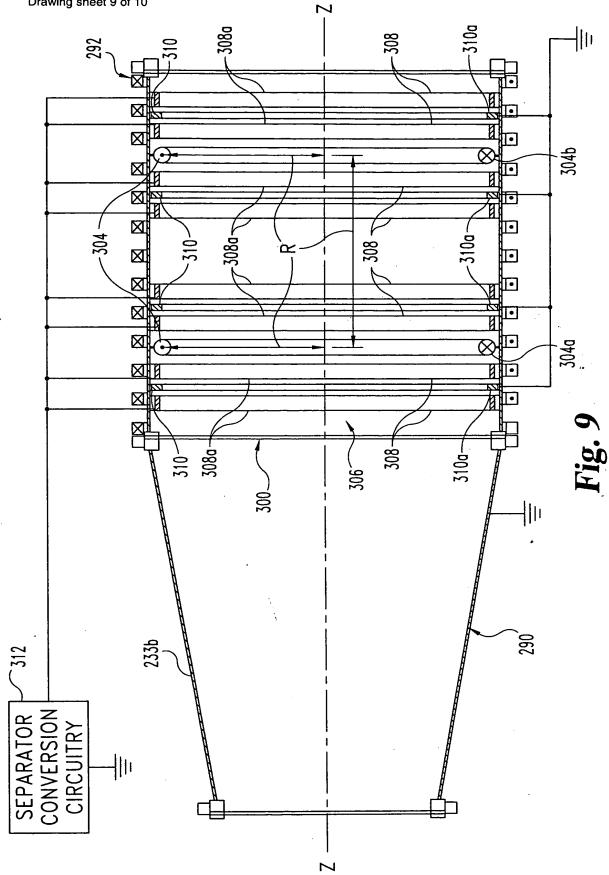




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